

MODIFIED SILANE TREATED PIGMENTS OR FILLERS
AND COMPOSITIONS CONTAINING THE SAME

ABSTRACT OF THE INVENTION

5 The present invention is directed to a composition comprising a white pigment
or extended white pigment surface treated with a silane having at least one functional
group capable of reacting with acids and anhydrides, at least one polymeric material
and a compatibilizer. Once treated, the pigment has improved processability and
dispersibility in polymeric materials. Silanizing the pigment also enhances the
10 brightness (increase whiteness and reduce yellowness) of the pigment.